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DATA STATEMENTS

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pinters in the Gasgore, Wishers, and fished Mileries reason north of the honder has setted the Frederstee Against Software Thet in most successful sortio yet, Assisted by the E Division of Ginagure Clin and a metry crew of Goffware house representative, Bobling of FAST in sow in presentation of support software with a stoot video stimuled at 100,000.

Of the co-sudassion raids, Bee Soft, Freeze in bootland has been of

contests far some time but with some virty good information and assistance from Electronic Arts, the Smathdyde polor carried though a very though investingation. Hereilts so far are most mocetaging.*

Where Mittry, UK Salan Administration Missage for Electronic April 2016 Missage for Electronic April 2016 Missage for EAN proposedation on the saids office. We are affected to the gittant circles below the producers and our cost feature industriant relationship of some feature industriant relationship of some feature industriant relationship of some some feature industrial relationship of some some some producers as some in December 2016 Missage for the SATS 11 stilling a Erra standard particular and proteinship of the SATS 11 stilling a Erra standard particular and proteinship of the SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and proteinship of the SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a Erra standard particular and a set for each SATS 11 stilling a set for eac

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Two Board Tales

While Domark are host revening Trinial Perseat, Grandslam are weeking on a new boardgame convenion. Grandslam's game in Espionage which taken the players into the world of severa agents travelling the globe to sansarth lour misrodfam which form amouth lour misrodfam which form

seepes. As the search poer on, the spice of consistent poer on the spice of consistent poer on the spice of the consistent poer of the spice of the

The game is called Geous II — A see Registering and involves that the Registering and involves that the Registering and involves that George II. Each player has to went that the Registering and the Registering that the Registering that the Registering the Registerin

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Two problems beyond our con have altered the contents of magazine as displayed on cover. We spologise for the appearance of the Three Sto

cur an in infrii non- Gold, toages distriue but withde fected the si Normal US Goly the sake a the Ninte

Nintendo have slagger on Californ Parks for a copyright. Ut hold the Evitiman rights, have had to pass from sale until mis resolved. It is resolved to the copy and hope that will be and hope that the copy are the copy and hope that the copy and hope that the copy are the copy and the copy are the copy and the copy are copy are copy and the copy are copy are copy and the copy are copy are copy and the copy are copy and the copy are copy are copy and the copy are copy are copy and the copy are copy are

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York Electronic Research are set leanth a new sellware package for a Plan A. Using their progress is prosoble to create a series of printippelares which will got electronic that curva reach of class. A mirror date and prior have not a best fixed but you can be seen to best fixed but you can be seen to

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chine: ### Wiknew they could do! #### Control Property Code Majores InterControl #### Fisherpay, First 281

Fortran for the C64
Alhough the Ferina pregramming language has been around for theiry years, it is still one of voday's now widely used languages. In the US, Almans have developed a uripped down version for the C64 which compatity over 45 statements and financiates as the used on the C64 of the C65 of the US of th

contains new in in respective to the spanishes of the progressioning force. Ten Milit is the harver displaying fee code. Masters and the gang of four David and Rakhard Distrig, Merk haldreck and Milit Clark) is now a

he new signing the Isanch of 16-his projects which should y for release in the not-to-dist of the second of the second disease.

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Games Update

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Learn to conceal messages and how to protect your Basic programs with a top secret password

Secret

Secret Writing

The Spattan did 2, the Homanosho, World War II amine did Assirizan and Assirizan and Assirizan and Throughout Interest and the Resilian and Assirizan and Throughout history people have colonized used to the book that other could not got little that did in. The only may they could able the way to got a newtrone or other to despise the attent last.

atlains. The only map they could adhere that way to see of a received color and an adhere that way to see of a received color five in taking the second and test, such as matches could limit and test, such as matches code, Benny Colado Decision on even the ADCL familiar with those and there is nething seen about these and there is nething seen about these and there is nothing as the seen and the seen of the seen and th

used, the pooces will transform the semenage into a server code or eighter.

The difference between the two is that a code uses whole words or parts of the text design everyption, whereas a cipher operator or each individual about the process which transforms the at the process which transforms the

monage back to its original state, order are a bit more complicated if ciphers, this article and accompanying programs will be be sally on accest ciphers. The prevent mod with a cipher are given differ sature it a coccast a memory process in called energhermens, and

remeding of the traveage is called despherences.

To get the hall reilling, lets take a loo at a simple eigher and how it work. Julius Cassac used a very simple eight

a number of places formers, its of storm the letter A. For example, by show the nerveal alphabes and sandoman's within had been not propose for places forward, you call not deliverable formers, and the sandoman's which had been for the letter of the lett

ad been twoord programs of the content. It has been content. It has been content, the content of the content of

and more measure to your Oracle. By you will be superprised more will be Cause Opher deep you can type in the New Jen will be a cause Opher deep you can type in the New Jen Well and Jen Met Le Legendre Le Mer Jen Well and Jen

Diagram 1
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nmad ABCDEFGHUKLMNOPQUSTUVA pher FFGHUKLMNOPQUSTUVA 4 places) D on the reas mine, tree or consequently and the second of the second of

Keywords and grids.

The Cansar Cipher is very user to cruck, one of the reasons for this is that the text is directly enciphered without farther seasonling of white of the combat this by using a keyword in the combat this by using a keyword in the combat this by using a keyword in the complete rime, which pickers are received. This cipher is cuited a Calmerar Temperature and deat strategies the lister of the message.

If we shame a beyoned used, as of

If we show a layyer such as COMS and a simple resease; THIS IS A SICKET MISSAGE ORAY. This contains 24 bitson, as the first step of encepherenest would look like Diagram 26.3 A year as see, the message is placed in the gold statistic at the top the content. The content of the

empty square in lift shinch has 30 he filled. I have chosen the learn X for filling and this can be seen in the bostom right corner of the girl. The next step in 50 part he listing of the keyword into a global heavier. On the learner of the part he listing of the chosen is now, the whole of the colours belon it in the grid is also moved, they which the last in the grid eak up belong the chosen is not the moved, they which the last in the grid eak up belong the chosen are read to the colours belong in the listing are the last specific than the colours are the colours belong the listing are the colours. Menore is malferonadustasis at or Creat Cides on a TERRO STAN MMO.

to correct, see a stand down each colonies and the Casses Capitre Interior.

AMSE ICTES AND ADDRESS AN







Many more ciphers

Contributions

So you own a Commodore? So you've written some programs? So why haven't y sent them to ws?

A our Commenter is also look out for new programs tops, articles and even regal fact if you have amendate think could be of use to order the wast to his So if you have get some

think could be of use to other Condiese connects we want to histerable. So if you have get somethings you fill hist, we may be interested from do you go about submitting so?

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oach line of tent. You should also has a reargin of about 10 character around the text.

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5) Please make sore that possible any additional marks

6) Try and write in obser on English, it does not have to be a t of formation but it must be compresible.

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9 Under no circumstances are scapit to hold the pages segether. Un papership instead.

30 Programs should be included a sidner data or rape. Make our that ye SAVE too cooks of ever program.

> have a better chance of leads problems occur. grams under 10 lines can d in the text. If your program than this you must enclose cannot c.

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he colour slides. We can take shots our solves so don't many about this too mach.

14) Submissions of any length as welcome. Hypothers the line could now that you think may be of one of acceptance the we welcome it just a ment as a full blown six part sores.

pends on quite a member of fact sock as complexity of pengprimerables of program, mands you against page is taken up no. 1 here is generally between \$10.00 DSD \$280.00.

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of E70rps and LQ elite at 57rps and the standard 7k-but I reas impressed by the special push-tractor feat that allows the LC34 19 the lowest possible tear of and

> and that makes using the printer an absolute cheam. But most of all, I was particulary impressed with m





Problems Strategies St

Emergency Ward 64!

datasette or a clapped out Commodore) by Kerry Fowler



mainly its lead news and a visal repair takey may be accessary. Head jurning is usually can a lack at labination on the temport system, askes, year particularly heavy handed on eccumions late the drive's imme Trilegic test causes the head is back and forth along in test

chemistra into the driver maner Tribage iron connec the band to back and forth along its track sticks – lathicate.

The head seeds to know with find the tracks on every closs reference peant in given by the stop. This is the root of the hermotors hashing accident.

NEW command is used to initiative a disk.

As some as NEW is resecuted, the head mechanism published, on the standard region and the standard stops is founded. After a few though, after disk above that the mean rail sormally carry the lead to the context mask positions, that what if the back

counts may pape. The stop tone pank it would a read which should rejudy anterials across the severe. If this decent's energy, the load case he passioned for an adjustment which the severe severe severe severe severe to be a severe severe severe severe and the severe severe severe severe pulses the hand any which a spraying severe the hand and with a spraying severe the hand and with a spraying severe severe severe severe severe pulses the hand any which a spraying severe severe severe severe severe familiarial bank papering. They produce with the first in the late has booken of the were sent one has possible to the severe sent one have possible to the severe sent one have

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purposts to be a 'professional numic carridge for your 64' but of the fuelities leave no with a questions. The program is steed on a carridge ROM and the

wired plags so that the exeput p can be seried.

The suits of tests start eff so less which displays a CS4 kepboar k any of the keys full to occount absolutely coordinat manual will poyou in the right direction for fafading.

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converters.

The final acreen deplays the L ports and innoctated chips. Any fin detected are indicated on the term. This next also checks the hands capabilities of the VIC chip.

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For the technicism who can deach chips and replace them subment or busing the content. (EAO) to rail a list to pay to fish out that your is not working which I'm alvaid in that thany people will be able determine with this parkage. Tristraphant Trilogic Congratalations to Triogic for held

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DATEL ELECTRONICS PAGE 18 CONTROL OF THE PAG



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MESSAGE MANUE

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A Pol Stall Stale-time for the

DATEL ELECTRONICS



Constructing a



important SYSLIR library file

With SANS IR Shours file is since

Compiler complete

| Fig I System variables | | | Fig 4. Ecosph programs |
|---|---|---|--|
| System same AC1 AC2 SD1 SD2 UP1 UP2 | Perpose Numeric accumulator 1 Numeric accumulator 2 Sating descriptor 1 String descriptor 2 Utility pointer 1 Utility pointer 2 | Address \$33 \$85 - \$36 \$35F \$37B \$FD | Program I. Simple typesofter. This program uses the charin a charcut element to construct a simply experience program which may be missaid by pressing the RU STOP key. |
| APT TTI CALLVEC MEMTOP | Arrap polanter Temporary variable \$YSLIR call vester Top-of-strings pointer | \$45 \$47 \$5E \$49 | begin cls loop charest charin (E) endloop when stop (E) and |
| | | | Program 2. Makiplication tab program. |

OUTBUF and INBUF are each 256 boxes in length while STACK is 765

| | 11 | Compare the strings and return. TRUE if SDI (SD2) | ES #25655. | 2 to 28 perform operations You must use functions 20 y 21 or 22 to calculate the | | 39 and 40 set up parameters in 37, the open statement, the filmane string in SD2 |
|-------|-----------|---|----------------|--|------------|--|
| | 12 | Compartheorisgs and return TRUE if SD1 | address of the | he array element to be used | and the sh | the filmame using in SD0. annel number in UPL |
| | | 5D2. | ., | | 39 | INPUT. Define a |
| | 13 | Concatenate (join) string SD2 to string | 22 | Calculate the address of | 43 | channel for input. OUTPUT. Define a |
| | | SDI returning the | | the element in a string | ** | channel for notices |
| | | combined descriptor for | | array. Element number is in APT. | 41 | CLS. Clear the screen |
| | | the new string in SD2. | 21 | Load AC2 with the | | and home the cursor. |
| | | | | value of the integer | 42 | WAIT. Uses the value in |
| De | actions. | 14 and 15 assume that the | | array element at the | | AC2 to came a delay calculated by 66*AC2 |
| | h char | sed has been exerned | | address calculated by | 43 | HALT. Forces a |
| 049 | wionely | bs Fanction 37 (open). | 24 | fanction 21. Save ACI to the integer | | terminate sequence. |
| 1000 | 14 | | 24 | array element whose | | Similar to function sail |
| | 14 | Select the channel samber in AC2 for | | address was calculated | | 78. |
| | | input. | | by function 21. | 44 | SYSCALL. Call a |
| | 15 | Select the channel | 25 | Load SD2 with the | | machine code routine at address in AC2. |
| | | number in AC2 for | | descriptor from the | | SORPHIA LE ACZ. |
| | | write. | | Mring array element | | |
| | 16 | Convert the number is | | where address was | Punctions- | 65 to 58 perform operations |
| | | ACZ to se ASCII- | | ralculated by function 22. | between A | CI and ACL returning the |
| | | experie literal and | 36 | Save SIDE to string acces | revalt in | AC2. The exception is |
| | | (output) channel. | - 25 | element whose address | Function 4 | 8 which uses only AC2. 89 to 54 rempare ACI and |
| | 17 | Write the string | | was calculated by | ACT and o | stars a TRUE (I) value in |
| | | currently described by | | Fanction 22. | ACZ if the | condition is satisfied. |
| | | SD2 to the current | 27 | Increment the integer | | |
| | | (output) channel. | 26 | array clossess. | 45 | OR. Perform ACI OR |
| | 18 | Write a carriage return | 28 | Decrement the integer | 40 | AC2-AC2. XOR. Perferm AC2 |
| | | (ASCII II) to the | 29 | Remove the topenout | 40 | XOE AC2 - AC2 |
| | 12 | Applies to screen | | stack clement and place | 47 | AND. Preferm ACI |
| | ., | corner, Mayorthe curper | | | | AND AC2 = AC2 |
| | | to the next scores rab | | | 41. | NOT. Professe NOT |
| | | position; take net at | 30 | Copy the contents of | | (AC2) - AC2. |
| | | positions 8,16,24 and | 31 | ACL to APT. | 10 | Test for AC1 = AC2. |
| | | 32. | 31 | Read a froral numeric | 50 | Test for AC1 - AC2. |
| Post. | and and W | 0 to 22 culculate and check | | ingut channel and | 52 | Test for ACL > 1 AC2 |
| | or nAfro | ming requests. | | convert it into a value | 53 | Test for ACI < ACI. |
| | | | | in AC2. | 54 | Test for ACL>ACL |
| | 30 | TTI should contain the | 32 | Rend a string liseral | 55 | Plus (9). Perform ACI |
| | | start address of the | | from the current legal | | + AC2 - AC2 |
| | | array. The first two | | channel and place | 56 | Subtract (d) Perform |
| | | bytes at this address | 11 | descriptor in SD2. BSET. More the cost- | 57 | ACI - ACI - ACI. Multiple (*) Preferen |
| | | number of elements. | 33 | exist of UPI to the mera- | 37 | ACT AC2 AC2 |
| | | This function checks | | ory address contained in | 48. | Divide (7). Perform |
| | | that the pregram is | | ACI. | 36 | ACT AC2 - AC2. |
| | | trying to address a valid | 34 | WSET. Similar to 33. | 59 | Assolnorement (++). |
| | | element by comparing | 35 | Check if AC2 costains | | NOT IMPLEMENTED. |

| character code in AC2 is converted to a string is SD2. 65 STR. The lateral of the value in AC2 is converted to a string in | | 79 | input device is pelled for a character which is externed in AC2. LEFT. Places in SD2 the substring of the leftmost (UPI) char | 74 | Upon cetara, string (SD2) centains the nears values of their registers. SOSTAT. Return the value of the I/O states | |
|--|--|--|--|---|---|--|
| 66 | SD2. ASCIL The ASCII code of the first character of the string is SD2 is | 71 | acters of string (SDI). RIGHT. Places in SDI the, substring of the rightmost (UPI) charac | 75 | DSTAT. Return the disk drive error code is AC2. | |
| 67 | placed in AC2. STOP. A TRUE value is returned in AC2 if the RUN/STOP key has | 72 | ters of string (SD2). MID. Places in SD2 the substring of (SD2) of length (UPI) starting at | 77 | DIRR. Return the did status string in SD2. Clear all 1/O channel but do not close them | |
| 68 | bees pressed. KEV. A TRUE value in returned in ACZ if a key other than SHIPT. COMMODORE, RUN | 77 | (UP2). SYSPN, Cults a much ias code rotains at address in AC2. The string (SD2) contains | 78 | Terminate Calling the function nominates the current program. There is no return from the function? | |
| | P avor manager | | | | | |
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The Vindicator



LOOKING FOR SOMETHING OUT OF THIS WORLD?



You'll find it at The 12th Officer Commodore Computer Show

Seek your Schol new for the above that has everything

maps.

It is any soled in software – both emissionment and business.

Prospherois that will add totally new distributions by your results.

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COMMODORE

READERSHIP SURVEY

25 Free subscriptions must be won!

Myou would like to receive a copy of your favourite magazine FREE for 6 mouths, simply complete

with a 6 month subscription to YOUR COMMODORE.
Some of the questions are of a more personal nuture and do not directly relate to the magazine.
Amores to these questions hip on present an overall peofile of our readers and their affectyles to
adorations who require such data for selecting suitable magazines for their products.

Note that the products of the product

We reside like to theirs you is advance for your time, and remind you that only fully completed questionnaires received by 11th November 1988 will be eligible for the FREE draw.

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A LOT OF STYLE FOR A LOT LESS FROM ARGUS AND GRATTAN



have not together to bring you two superbly stylish offers at prices which you won't best anywhere Order today and discover

Argus Specialist

Casual Jackets

OFFE



Talking Computers

COURSEMASTER

E PROFIT FROM YOUR MICRO

INTRACET U.S. Dept (YC1) FREEPOST (No stamp

complain about advertisements.

If an advertisement is wrong, we're here to out it right.

GAME REVIEW



Echelon Telephone de salabara and Translated long of a 45



Software for Sale

JUNE 35

MK RAM DISK - Turn award memory on your Chi

EASIPRINT or New Cité and Plants owners can access

READERS SERVICE

SPILT RAUD RATE TERMINAL - Drive on BASIN

MUNIC COMPONER - Compone your own three part

ARREST LINEARY - In this instalment our spring take

SET THE ALARM - Use the CMV in-built clock as an JACK IN THE BOX - A handy box utility for Basic and

HEREN/MULTI/COLOUR PLOTTER - A selection of JOYSTICK CURSOR - Let your juystick emulate the CODE RELOCATION - Change your machine code

ORDER CODE

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I enclose a cheque/postal order for £, . . . , made payable to ARGUS SPECIALIST

Letters

Your opinions are what count. So put nen to paper and let us know how you feel about the industry, and of

Calling all knitters

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Disk Contents

How is information stored on a disk and where does GCR come in? By Eric Dayle

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| | 280 CWT# 79,82,7,815,68,83.0 9,00,09,82,60,30,021,47,007 | | | | |
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| | 280 DETR 195, 72, 65, 76, 76, 88, 76, 88, 76, 89, 72, 87, 69, 30, 7 | | \$,50,500,700,71,000,110,100 | -1 | 97, 190, 50, 1870 950 OFFA D40, 11,177, 39,000,1 |
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| | | 06 | 1300 DATA 0,133.5,134.6,90.3 | | |
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| | | 21 | 1998 DATA 38,898,808,133,5,1 | | |
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| 30 | | 111 | 29/05 ERTH 38.05.09.09.30.30.30. | | |
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| | | 43 | | | 2772 DATA GD. 00, 30, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32 |
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| | | | 2572 EASA 29, 29, 59, 30, 32, 32, | | |
| | 2300 ENT* 95,32,09,00,32,32, | | 30,09,30,30,09,70,00,30,30,3 | | 7,675 |
| | | 65 | PAGE CATE 35, 35, 62, 24, 20, 20, | | 2650 CHIM 32, 32, 90, 37 36, 36, 36, 36, 36, 36, 36 |
| | | | 8500 CHT# 38,32,62,29,29,29, 80,38,38,38,38,89,7 | | |
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| | 28, 38,89,60,38,38,38,38,38,88,6 | | P530 D039 38-30-38-87-80-89- | | 8800 BASA BS 35,80,47 37,60,32,32,32,32,32,32 |
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| | | | 20, 30, 50, 50, 58, 30, 30, 30, 30, 30, 30, 50, 50, 50, 50, 50, 50, 50, 50, 50, 5 | | 80,37,83,40,84,37,80, |
| 15 | 2570 CAT# 21,71,25,60,32,32,32, 32, 32, 32, 32, 32, 32, 32, 3 | | 32, 32, 29, 29, 58, 32, 80, 32, 32, 2 | | C.194 CEST DATA 28.28.30.20 |
| | | | | | |
| 57 | 2300 DATA 35,35,35,35,35,35,35 | | 32,32,32,32,32,52,52,53,60,5 | | |
| | 29,50,30,30,30,00,30,30,30,00,6 | on. | FIRST CAPA DE 12 12 12 12 12 12 | | 2030 CWTM 60,007,60,3 |
| | 2300 DATA 30,30,30,50,60,60,60. | | #880 DATA 88,38,38,89,38,38,38, | | |

| 00 | 27,60,30,30,30,30,30,30,30,30 | | 5,191,299,191,172,189,224,12 | | 18, 20, 0, 12, 85, 10, 6, 10, 65, |
|-----|--|---------------------|---|-----|---|
| | 7,700 DRTH SH,38,30,37,37,47, 47,57,48,48,46,37,80,30,50,50,5 | 12 | | 15 | 2500 ONTH 159.221.17.17.0 .55.55.7.0.0.0.0.0.0.7.5 2510 ONTH 0.0.7.3.0.0.0.0 |
| | 87,47,48,46,46,37,60,30,30,30,3 8,768 8960 DWT# 38,38,66,37,38,38 | 22. | | | |
| | 80,37,37,83,40,64,46,46,47,3 | im. | 87,185,172,046,049,149,238,8 5,69,69,238,239 3042 DRCA 85,88,89,174,89,88 | 01 | \$130 Dete 0.0.0,5,5,0,0,0 |
| 7.2 | 27.07.00.00.00.00.00.00.00.00.00. | | 00,176,81,17,81,17,81,17,81 | | FIND CHEE C C C C C C C C C |
| 81 | 2800 Dale 95.37.37.58.32.32. | 23 | 3050 Cefe 39, 31, 31, 31, 610, 620, 31 .31, 31, 81, 80, 100, 687, 100, 100 | 240 | 2,112,48,60,60,46,110,66 2560 Dere BI, 81,88,4,4,86 |
| P-1 | | \mathbb{P}^{\leq} | | | |
| 42 | 2800 E434 83,00,00,27,27,00, 30,30,20,30,30,80,37,37,37,37,3 7,723 | | 3070 DAIN 148, 169, 164, 69, 180 | CE. | 2550 OPCA 62, SL, LE, LE, LE, LE, LE, LE, LE, LE, LE, L |
| | 3000 EATA 87,32,00,27,47,47, 47,27,60,36,36,36,36,56,66,8 | 80 | 17,81,17,1960 3000 8454 17,00,17,85,17,65, 17,80,81,81,81,95,95,85,85,85,9 | 25 | 95 0 DATA 0.0,0,000,00,00,00 |
| | 2012 DATE 80,80,15,15,20,22, 00,83,10,27,88,32,32,32,32,3 | 10 | 6,630 | 10 | 3980 Dale 0.35, 0.201, 91, 4 |
| | 20/20 DADA 38,38,88,81,48,42, 20,48,30,30,60,47,47,47,60,3 | 16 | En'0'sa's's's'10'Te'00'0'0' | | |
| | 2,500 3030 BA14 30,30,30,30,30,30,30, 60,61,46,30,30,40,30,30,50,5 | | 2000 DASA GO, TE, 4, 84, 32, 68, 1 88, 9, 62, 66, 8, 12, 0, 66, 60, 7, 65 | 10 | |
| | 07,61,46,38,38,46,32,30,60,3 7,710 3713 EATH 37,68,38,38,30,30,30 | 16 | 2310 BASA 14.00.20.100.4.4.1.1 2.0.160.60.00,124.0.60.00.0. | | |
| | 20,20,30,30,30,00,30,37,97,97,97,9 | AO | 3300 DATA GO.GG, DV. LEY, BO.GO | | |
| 51 | 3050 EATE 0,0,0,73,0,139,100 18,0,48,72,80,74,62,74,65,69 | | \$330 5030 50 50 50 50 50 50 50 | | |
| 3.7 | \$000 Date 0,00, Pt.00/194.00. | *2 | 60,0,00,00,00,00,1,0,40,0,70 | | 3,500,0,500.0,500,0,500, |
| 37 | | | 200 000 MINE TO SEC. | | |
| | 100,80,0,80,94,64,110,64,94, 80,0000 3000 CHTM 0,00,34,32,180,38 | 21 | \$200 BATA 40, 170, 07, 61, 17, 27 | | |
| | 55,64,0,48,34,84,84,88,88,80,0; | | 8,888,80,0,0,0,0,0,8,8,8,8,8,8 | 93 | |
| 85 | 2000 Date 6,00,01,00,00,01,00 | 10.2 | 3370 BASK NO. 30, 130, 130, 130, 130, 130, 130, 130, | | 3,822,6,623.2,823.6,833.1 |
| SE. | 200 DATE 0, 1, 5, 5, 5, 71, 60, 60 10, 60, 30, 90, 112, 90, 30, 80, 80 | 30 | 180,180,90,18,180,180,00,18; 180,100,00,180, 3300 (m)* \$1,148,148,938,187 (59,100,48,168,80),17,17,00 | 100 | 0.142.00.100.100.071.02.0 |
| Y3 | | | | | |
| | | | 9,189,111,189,38,899,188,900 ,177,899,188,894,8860 3900 DRIW 80,230,168,839,189 | ţu. | \$7.9.15-07 \$710 0010 827 148 88, 2, 50 50.105, 3, 168, 500, 111, 130 |
| | 91.00 DAIR D. 08, 80, 40, 100, 40, 40, 40, 40, 40, 40, 40, 40, 40, | | 279,179,000,000,000,179,170 (E39,171,000,100,170,170,170 (E39,171,000,110,100,170,170,15 | | TOTAL BOLD BY B 188 188 18 |
| | 21,00 DATE D. 00, 24, 24, 19, 30, 18, 30, 184 | | | | 191.0.1907 |
| 34 | \$192 5474 C.SF, F4, 34, 180, 58, 39, 68, 69, 69, 69, 69, 69, 69, 69, 69, 69, 69 | 17 | | | |
| 12 | 3150 E414 0,1,180,48,60,83,3 2,30,0,33,60,10,18,19,10 | 27 | 05,5,09,95,0050 2422 DASA 134,184,134,0,0,00 ,85,0,85,68,60,60,60,50,150 | 72 | 27%C DATA DAT, 1%1, 88,808, 28,27,172,08,3,240,081,38 |
| | | 1.0 | | 21 | |
| | 3(60 DW18 D.78,178,34,34,34, 07,8,7,188,80,80,80,80,80,91,10 | | [89,80,88,80,80,88,81,81,81,81,81,81,81,81,81,81,81,81, | 25 | |
| | \$170 DATA D. 24.89.15.00.24.27 180.2.80,184,28,20,28,80,80.50 | | PAGE BACA #1,17,81,17,81,17, #1,17,148,148,740,821,85,451 | 12 | 200 Sebe 92, 187, 181, 27, 1 200, 7, 200, 0, 29, 180, 620, 18 29, 127, 1878 2770 Dafe 1, 37, 651, 9, 600 |
| 27 | 3100 DATA 0,120,0,4,8,10,20,120,120,120,120,120,120,00,00 | 12 | \$180 DACA 05,05,85,174,89,68 | | |
| IE | 3180 E438 5, 21, 85, 102, 153, 11 0, 152, 103, 85, 89, 89, 102, 163, 1 | 68 | 5-70 ORTH 0.31.0.31.0.41.0.0 5-10 ORTH 0.31.0.31.0.11.0.0 | | |
| | | | | 92 | |
| | 75.100.176.9.21.09,230,183,1 53,183,238,8883 3832 SA38 0.0.0.0.0.0.0.7.17 | | 7980 0000 1.5.81.820.153.153 .153.174.85.87.83.183.187.18 3.187.281.8584 | | .050,109,0,133,090,190,0 0.30,180,04,3231 3800 DACH 195,251,73,66, 15,000,000,332,2,20,174,7 |

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| | 0,509,0,0,109,0,0,109,50,585 | - | 1188 1790 B404 20,16,0,01,0,295,0 | | 0.5.829, 0, 7, 655, p, 7, enc. |
|---|---|-----|--|-----|--|
| 6 | 1930 DWTM #2.009.00.00.00.227.0 1,000.100.810.000.100.010.03 | | (8,0,0,0,00,0,1,00,0,438 1800 DRIA 5.84,0,85,84,0,83 | 211 | F130 DATE 0,0,00,0,0,168 |
| | | | | 81 | |
| | | 01 | 1810 Date 800.0,8,8,0,10,0,0 | 62 | 2150 5018 81 0 0 88 0 0 |
| | 5,005,64,3,3600 1510 DRTM 185,0,0,84,0,5,848 | | 45,280,0,40,180,0,100,180,8 | | |
| | | 72 | 1800 DRT# D, 170, LEG, 0, 255, 24 9,9,85,80.0.21.64.0.89,80,0, | | |
| | .O.24,50,60,74,L00,68,0,0,68 | | | | 2179 DATH 0.0.00.0.0.000 |
| | 1530 Date 0.36.66,42,648,188 | DA | 1830 DATA 80,80,1,81,61,655, | | |
| | | 73 | | | |
| | 15-00 OACA #55,#E5,#55,5,0,0,0,0,15 | | 1850 Date 500 0 0 0 0 10 0 0 | 41 | FLOS DATA 0, 0, 0, 0, 9, 9, 199. |
| | | | 1850 DWIN #00.0.4.5.0.10.0.0 181,189.0.38,180.0.100,180.9 | | |
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| | 0,0,148,28,38,148,16,38,0,0, | | 0,0,85,80.0.21.61.0.85,0.1.1 | | |
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| | | 10 | 1800 Date 0.0.0.9.9.0.0.0.9. | | 9,0,85,70,0,213,180,0,81 |
| | .0,7,60,0,230,194,0,0,0,004 6800 SASA 0,188,88,0,190,168 | DC | | 21 | |
| | | 60 | 0,8,1,07,8,5,04,0,383 1800 DATE 8,0.0,81,07,0.03,0 | | 75, 180, 1481 2050 Oeth 0, 92,0,2,890,1 |
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| | | EA. | | 65 | FEET DATA SUB_4.5.0.18.4 |
| | | 93 | 1890 DETA BL. EV. S. RL. BO. 95. O | | |
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| | | | | | 0,0,00,00,01,01,01,0,0,0 |
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| | | | | | |
| | | 111 | 1800 Date 0, 0, 0, 0, 0, 0, 055, 0, 0, 0, 0, 0, 0, 0, 0, 0 | 61 | #108,756,8,8,9,16,0,18 |
| | \$5000 BATE #50,0,0,0,0,00,0,0 | 00 | | | |
| | 71.100.0.91,189,0,189,190,9 | | PRINT PRINTS D. D. 80 D. D. 160 D. D. | 100 | |
| | 3700 BATH D. 170-160-D-095-DW | | 189.0.7.155.0.10.179.0.000 | 69 | |
| | 0,0,95,00,0,21,00,1,04,92,2, | 12 | 2020 Owin 33,170,0.15,000,0, | | 9000 Care or as as as as a |
| | 1720 Ball 0, 9, 0, 0, 0, 190, 0, 0. | | | | |
| | | 72 | 0.50.0.0.5.04.0.1.000 and bern 80.0.1.04.0.1.050 0.5.800.0.7.050.0.7.050.1184 | 85. | |
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| | | 112 | #260 DWIN 0,0,60,0,0,160,6,6 | NO. | 2300 BASA 107,004.0,180. |
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| | | 30 | | | 8390 BASK 8,0.15,188,8,3 (8,0,30,388,0,30,04,8,8) |
| | 00 1792 5419 8.0.0.01.0.055.0.0 | | PORC DATA BO. 2. 3. 84. 0. 1. 252. | | \$100 DATA 35.4.83.370.8 |
| | | | | | |
| | 84.0,85,80,0,295,809,0,63,95 | 13 | 8080 8404 9,9,80,8,8,180,0,8 107,8,1,180,0,8,180,0,848 8180 8404 10,170,9,95,855,0 | | |
| | 1779 5414 828,0,0,0,0,0,32,0,0 | 12 | #100 BACA 10,170,0,15,855,0, | | ,63,886,0,63,152,0,32,61 073 |
| | ,41,128,0,92,69,0,173,56,767 | re | | 37 | |
| | 1700 DATA D, 170, LBD, D, 898, 84 D, O, 85, 80, O, 81, 80, O, 21, 80, 9, | | 0.0.0.0.0.0.0.0.1.116 2120 Sana 80.0.1.91.0.1.696 | - | .56.1188 PARC DECA SAR.D. SR.D. D. D. |

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| | .0,0,30,100,0,30,84,0,87,881 | | 2710 DRTA G.IR. G. G. G. S. S. G. G. | | PSP- 120 |
|----|--|------|---|-----|-----------------------|
| 75 | | | | | |
| | 2000 BACA 35.0,60,178.1,111 180,6.15.0.20.80,18,88,67,13 | | | | |
| | | | | | 99,1550 |
| | \$480 BASA 128,57,800,0,68,63 | | | | 102,189 3090 DA |
| | ,0,53,229,0,63,286,0,32,64,0 | | | | |
| | | | | | 2011 D. E. |
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| | 0.004,2800 8470 2654 204,0,58,848,0,53 | | \$700 DATE 0,120,093,0,146,72 | | |
| | | | .0.100.04.0,181.004.4.004.11 6.7,1483 | | |
| | | | | | 9,252,1 |
| | STWHO ONTH 30,0,63,776,0,111, 150,0,73,0,0,0,0,0,0,0,0 | | | | |
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| | FEGG BATA 127, 884,0,180,15,0 | | | | |
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| | 8516 DATE SEE, C. 3, 884, O. 60, 3 8, 9, 840, 18, 1, 189, 6, 2, 183, 4, 8 | 10 | | | |
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| | \$580 DADA W. \$18, 8, 13, 862, 1.3 | | | | |
| | .048.8,180.048,0,68,150.0,41 | | | | |
| | | ATT. | | | |
| | \$4.0.7, sus, 0.3, 555, 0.6.4, no. | | #865 ENTH 5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0 | 100 | |
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| | 2570 OFTM 0.7.854,0.0.1.0.15 1857-0.1.850,0.0.116.0.000 | | 2000 Enin 5,0,0,01,000 | | |
| | | 65 | \$000 BASA \$10,0,00,00,00,000,000,000,000,000,000,0 | | |
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| | | | 2000 BASA LSW, C. SS, C. C. 110.8 | | |
| | 2.000.2.0.000,1,180,180,0,73 | | 7,1,180,194,6,170,193,60,188 (130,1413 | | |
| | | | | | 5,05,65 |
| | \$500 8000 155.0.55.756.0.W. | | | | 2100 BAT |
| | 80,0,71,000,0,3,000,0,0,4,10 | | | | |
| | | | 2510 CHTM BL 84,0,1,80,20.0. 9,9,899,890,850,850,899,865 | | |
| | | | | | 3800 DAY |
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| | | | #88,818,85,820,39,83,8,830,6 5,030,0000 | | |
| | \$800 DATA W. \$15, 120, 13, 550, 9 | | | | 38,32,59 |
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| | 2510 Dale 180.0.119,750.0.44 | 01 | | | |
| | | | #912 BASA 50,0,P11,55,P10,36 | | 3030 803 |
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| | 2509 SATE D.T. 284, 2.8, 1, 0, 15 | 00 | 2752 5000 5,55,4,30,65,62,42 | | |
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| | | 100 | #850 BACA 90,58,58,500,004,0 | | 3660 DAT |
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| | 0,0,0,0,69,199,169,169,60,60 | 25 | 3810 OFTA 187,158,187,183,1, | |
|-----|---|-----|--|-----|
| 12 | 3290 DACA 88,88,89,150,65,65 11,5,85,199,102,199,89,69,19 | | 285,7,136,953,163,953,145,1, 285,7,131,2818 | 10 |
| | 1.5,85,199,500,199,89,09,19 | PA | 2650 DATA 287,161,126,187,1, 255,3,180,168,160,135,158,7 | |
| 44 | 9,100,7455 | | | On. |
| | 3363 BASH LOW, 126, LYD, 895, 63 267, 243, 250, 63, 267, 243, 258, | 55 | | |
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| | 3360 BACA 283, 253, 253, 253, 253, 25 3, 170, 253, 253, 253, 166, 173, 10 | 42 | 7,855,185,835,8338 3690 Dere 231,830,831,835,18 | |
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| | | 80 | | 21 |
| | 6.186.85,100,100,100,100,100, 100,100,855,895,1873 3300 DATE 255,255,255,255,17 | | | |
| | | | 7,1,838,87,383,3614 3658 EA36 (47,135,136,147,17 ,656,31,687,607,677,607,605, 1,888,87,188,8358 3660 EACH 166,185,185,185,185,48 | |
| | 0.170, TWO.151, 90,90,90,90,90, 90,173,773,2495 | 92 | | |
| | | | .010.07.153.137.186.177.185. 17.888.7.131.8078 3670 CMTW 153.189.109.153.1. | 57. |
| | 2.172,80,80,161,100,128,100, 108,170,185,165,2563 | 00 | | |
| | | | 899, 3, 189, 193, 193, 189, 199, 1, 295, 3, 163, 2078 | |
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| 67 | | | | PK |
| | #50, 170, 173, 560, 185, 568, 745, 148, 821, 170, 176, 2706 | 35 | 5,865,155,153,8030 3700 0818 393,163,163,153,1 888,87 183,143,183,163,131,1 855,88,956,8870 | |
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| | 180,140,80,00,00,00,00,00,210, | 50 | 2710 DATA 150,148,189,139,00 | |
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| EX | 2400 DATE 174.87,899,174,174 | 411 | | |
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| | 0,230,751,151,218,250,213,25 | | 5,000,005,100,180,200 2700 5654 100,100,180,100,18 0,180,174,87,005,174,174,174 | |
| 85 | 2180 Seco 150,000,003,003,00 | | | 84 |
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| 60 | | | 0,03,05,189,0,0,189,16,69,06 | +1 |
| | | | 2000 Data 169,109,168,169,16 | |
| | 9,399,109,109,399,699,693,693,6 8,80,803,3,3,6480 9510 0434 15,15,63,175,643,8 | | | |
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| | 94.69,9,0,0,0,0,0,0,180,190, | | | |
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| | 8,181,858,198,0,0,0,0,0,0,0 | | 2000 0414 650,185,195,652,65 | |
| | | | 8,818,749,106,818,38,108,881 | |
| | | | | |
| 62 | F, 100, 100, 850, 859, 3083 2097 BACA 850, 121, 159, 159, 15 | | (187,250,243,502,504,252,250 | 100 |
| | | | 2000 DATA 3,50,63,63,63,030,000, | |
| 200 | 1,151,151,85,85,2813 2010 DATE \$3,83,83,83,93,93, | | | |
| | | | ESC. ESS. 83 , E779 | |
| | | | 3830 BASA 63.83,61,3,75,63,1 31,153,145,189,127,153,189.8 | |
| 55 | 3850 DATA #38,#38,#36,178,80 | | | |
| | | | | |
| | 74,881,180,8931 9530 0404 180,890,839,179,17 | | 3912 DACA 139.231.231.231.1. 390.189.130,747.843.189.157, 1.055.199.130.2748, 2850 DRIM 132.049.007.195.18 | |
| | 5,175,65,176,170,807,843,804 | | | |
| | 5.175, 85,176,170,207,243,204 ,343,804,89,183,2308 ,560 3804 178,173,188,173,27 | | | |
| | | | 3800 DATE 150, 129,049,105,32 0,008,131,189,189,131,183,18 | |
| | 98,171,180,180,8773 | | | |
| | 5, 170,435,435,637,496,64,497, 88,171,160,180,4773 3550 DATE 590,231,988,180,18 6,180,88,170,455,215,255,215 | 13 | | |
| | 200 001 153,153,188,188,1 | | | |
| | 2000 0414 153, 153, LFB, 283, L7 , 835, 2, L82, 153, 153, L70, 753, 1 | | 3.109.055,131,153,0990 3880 DRIP 183,189,012,013,00 | |
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